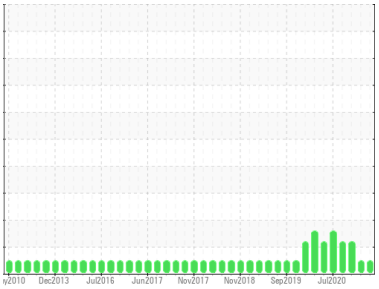
GREASE ANALYSIS

Sample Rating Trend



NORMAL

Area
Turret [450245741]
Machine Id
Turret Swivel #5 - 12 (S/N Sample Tag NC-43601)
Component
Grease
Fluid
PETRO CANADA GREASE OG-1 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Grease Condition
The condition of the grease is acceptable for the time in service.

Contaminants
There is no indication of any contamination in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PC**	PC0052488	PC
Sample Date		Client Info		**04 Jan 2024**	08 Oct 2023	17 Sep 2020
Machine Age	hrs	Client Info		**0**	0	0
Grease Age	hrs	Client Info		**0**	0	0
Grease Serviced		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>200	**0**	0	160
Iron	ppm	ASTM D5185(m)	>250	**5**	6	7
Chromium	ppm	ASTM D5185(m)	>10	**0**	0	<1
Nickel	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Cadmium	ppm	ASTM D5185(m)		**0**	0	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Lead	ppm	ASTM D5185(m)	>25	**0**	<1	<1
Copper	ppm	ASTM D5185(m)	>75	**<1**	<1	<1
Tin	ppm	ASTM D5185(m)	>5	**0**	0	0
Silver	ppm	ASTM D5185(m)	>5	**0**	<1	<1

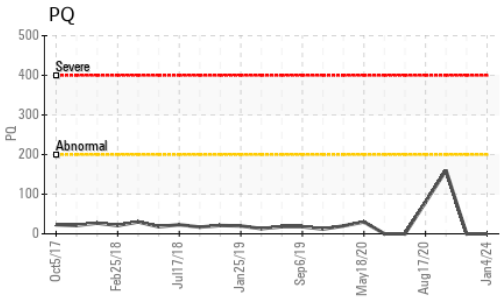
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**155**	169	▲ 2
Magnesium	ppm	ASTM D5185(m)		**6**	5	<1
Manganese	ppm	ASTM D5185(m)		**0**	0	<1
Molybdenum	ppm	ASTM D5185(m)		**0**	0	2
Phosphorus	ppm	ASTM D5185(m)		**3**	11	▲ 56
Zinc	ppm	ASTM D5185(m)		**9**	11	58
Antimony	ppm	ASTM D5185(m)		**<1**	0	108

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		**2**	2	0
Barium	ppm	ASTM D5185(m)		**0**	<1	2
Calcium	ppm	ASTM D5185(m)		**3841**	4059	▲ 71
Sodium	ppm	ASTM D5185(m)		**3**	4	5
Lithium	ppm	ASTM D5185(m)		**11**	14	201
Sulfur	ppm	ASTM D5185(m)		**784**	781	663

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	**29**	20	<1
Potassium	ppm	ASTM D5185(m)		**3**	2	<1

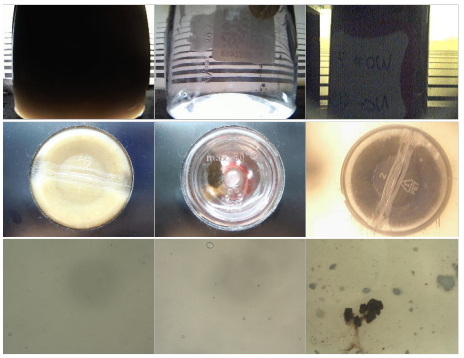
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		Visual*	Tan	**Beige**	Cream	Gold
Texture		In-house*	Buttery	**Buttery**	Buttery	Short fiber
NLGI Consistency	NLGI Scale	SKF Method*	1	**2**	1-2	1-2

GREASE ANALYSIS

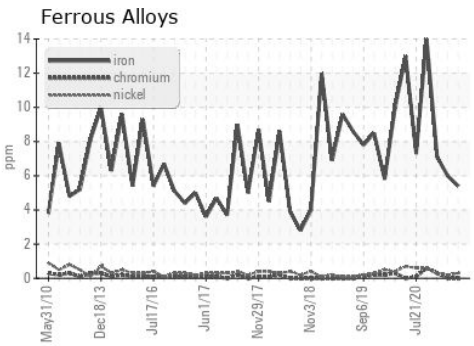


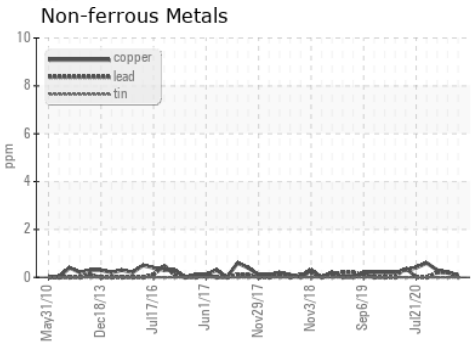
SAMPLE IMAGES

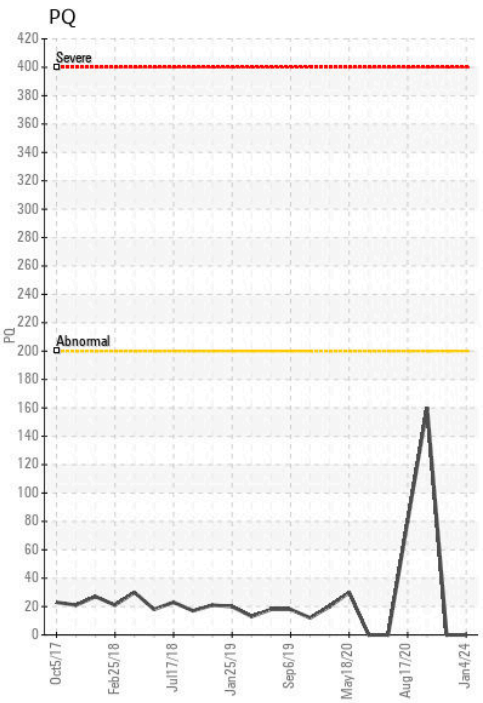
	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					

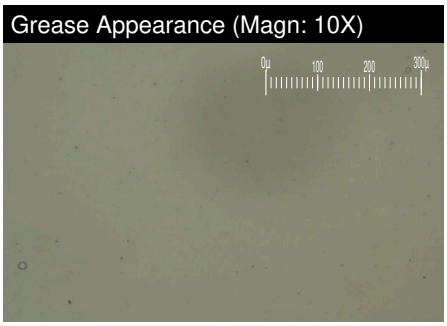


GRAPHS









CALA Testing Accreditation No. 1005078
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02609588
Unique Number : 5710674
Test Package : GRS 1 (Additional Tests: BottomAnalysis)
Recieved : 17 Jan 2024
Diagnosed : 19 Jan 2024
Diagnostician : Bill Quesnel

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.